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ANTIGEN 1

10 20 30 40 50 60 70 80 90 100
 GAATTCGGCAGGAGAAATTACCATCTGATAGATCAAAATTTACTACATCTATTTTACTACATTAAATATGGAGGAAAAACAGTCAATGAGCAATCCACAA
 A R E L P S D R S N L L T S I F T T L N M E E K Q S M S N P Q
 5 10 15 20 25 30

 110 120 130 140 150 160 170 180 190 200
 TCGAAAAATACGAAATACAAGCAATACCAACCAAGATTCCTGGTTTAAATGATAAAATATTGAAATGATTACAGATGAATTCAAAAAATTGACCTTTA
 S K N T N T S N T N H K D S G L N D K I F E M I T D E F K K L T F S
 35 40 45 50 55 60 6

 210 220 230 240 250 260 270 280 290 300
 GCTTGTCCAAAGAAATTAATGATTCGGTTTCTTCAGCAATTAGCAAGTATTTAGAACCGATCGAACGTGATATACATCTATTAAAGTCGCATTTGTCAGGA
 L S K E L N D S V S S A I S K Y L E P I E R D I H L L S R I C Q E
 5 70 75 80 85 90 95

 310 320 330 340 350 360 370 380 390 400
 ATCGAGAAGTCTGTTGATAATTATGTTAAATTTCTAAATTTGAAACAAATGTTAAAGGAACCTTTTACAAAGTACAAATGAGAAATTAACAA
 S R S L L I I M L I S M K F L K L K Q M L R N F L Q V Q M R N
 100 105 110 115 120 125

 410 420 430 440 450 460 470 480 490 500
 GCATCGACACTTGTTATTCGAGGCTTGTTGGCGAATCTAGAAGCGTTTCGTGAAAAAGTGACTAAATTAATAAACAATGCGATAACATTAACTCGAATCC

 510 520 530 540 550 560 570 580 590 600
 AATAGACAACTTTACTCAAG TAGTAGCAGATTTCATTTGGGACATTAACTAATGCAGTTACTCAATTCGAAACAACTGTTTAATCGTTTGGAAATTACAGATC

 610 620 630 640 650 660 670 680 690 700
 AGTAATGGAAATACCACTAAAACGCTTTACACCAGATAACTCAATTACAATAAGAGCGCCCCAAAACATAGCTTTGCAAAATGATGATGCCTTAAACCAA

 710 720 730 740 750 760 770 780 790 800
 AACATTACGATCGGCATTTCCGGATAGCAATTTCTGGATCAATCTAACTCTATCTCAATCAGATAAAGAGAGAAATCCAAAGCGAGAAATGTTTGTGTTTGAAC

FIG. 1A

FIG. 1B

810' 820 830 840 850 860 870 880 890 900
 CTTGCATATAAGTTTGACCCCATGTGTTTGGTTGGATGATCCAGCTTCCATTATAGCCATCCAGTAATATTAGGAATTTCAAAAAATTTTGAGCGATACTCTT
 910 920 930 940 950 960 970 980 990 1000
 CCTCATTTTAATTGAATCTTTAAAGACCAGCTGTAAATTTTCTCAAATTAGCTGCATTTTCAGATTTTAAAAATTGAGAATATTATGGATAAAAGAAACCATTC
 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100
 ACTGTTTTGAACCATTTACTGATACCTTTACACCTAGTAGTAATGCAAAATCTAAATGAAATTTTCAGAAAGTATGAACAAATGCATTAGCATTATATAAATT
 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200
 CGGTTAGCGATGCAAGTAAAGCATGAACTATATTGTACCTGCATGCTTCACGGATGGGTCGATCATCAGTGATATTACTAGCATATTAAAGGCATATTAG
 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300
 AAGGACAACCTAGAAAATATTACATCTGGAATGAAATAAAATTAATAAGGGGTAGAATTAGATAATTTTTCATGTAAATAAATTAGCGTTATTGAGGATTATTTC
 1310 1320 1330 1340 1350 1360 1370 1380
 GAAATAAATAATAGAGATATTAAAGTTTAGTTTTTATTTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAG

FIG. 1B

FIG. 2A "SEQUENCE"

710	720	730	740	750	760	770	780	790	800
CCTCAAATGGTGAACATCAAGAATCTGGTTCAGAGCAAGCCCCCTATTACCTCACCAGAAAACGAATCAAGTTCAAATCATCCTTCTGTGACAGTTCCAGA									
810	820	830	840	850	860	870	880	890	900
TACTGGATCAGTTCAAATCTCCTTCTGTACTATTCCAGAGAGCTGGATCAGACTCAGATCAGCGCCTTGTGACAATTCAGAGACTGGATCAGTTCAAA									
910	920	930	940	950	960	970	980	990	1000
TCATCTTCTGCTACTATACCAGAAACAGGATCCAGCTCAGATCACACTCTGTCTCTCCAGAAAGGATTGGACTCAGAACGTTACCAATCACTTCT									
1010	1020	1030	1040	1050	1060	1070	1080	1090	1100
ACAGAACAAACTCAAAGCCAGCTACATATCCTAACCAAGAAAATGAAAATCATAATAATCAGGAAGGTAATTCGAGTTTAAATACACTAAATCTTCCAAA									
1110	1120	1130	1140	1150	1160	1170	1180	1190	1200
TCAACCCAATCTTTCACGCAAGCTGGCAGATGTGGAAAGTTATGGGGAAAAGGATAAAATGGTTGATGGTGAGCAAGTAATCACTAAAAATGACATTATT									
1210	1220	1230	1240	1250	1260	1270	1280	1290	1300
GAAGATACTTCGAAAGAAATTAGAAACAAAATGTAAAGTATCTGCATTGATAAAATATGGCCTTAGCCATTTCCAAATATCTAAATTGTCAACTCAAGTAA									
1310	1320								
AAAAAAAAAAAAAAAAAACTCGAG									

FIG. 2B

09881556.061401

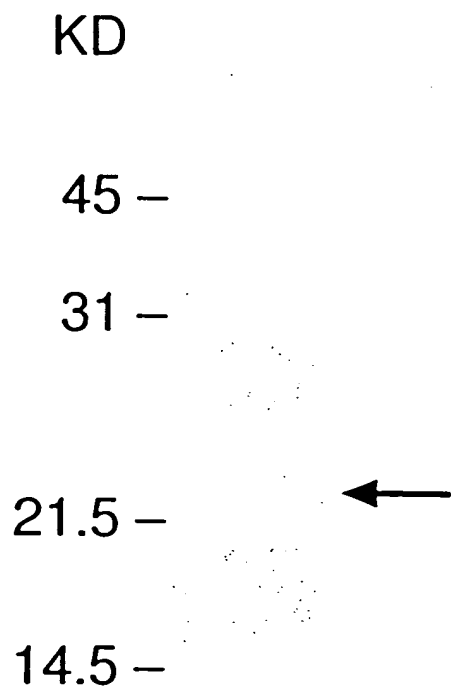


FIG. 3A

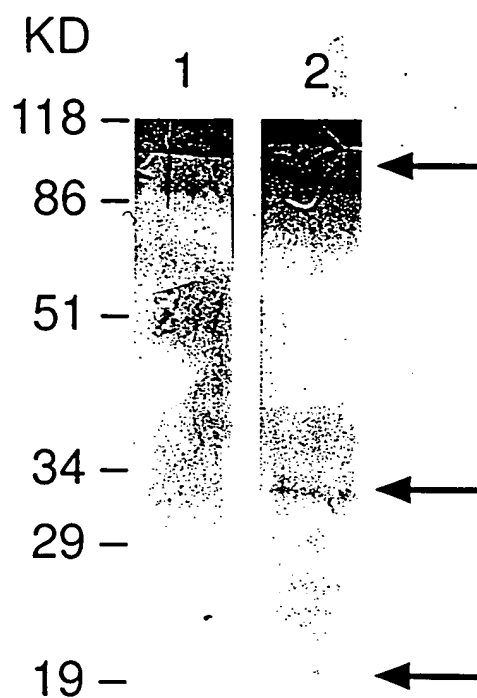


FIG 3B

104T90-955T8860

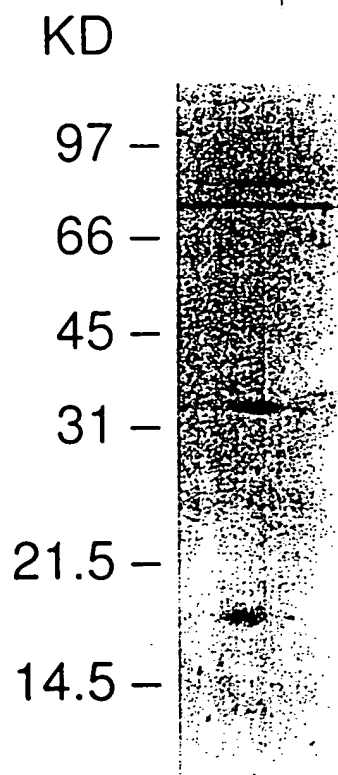


FIG. 4A

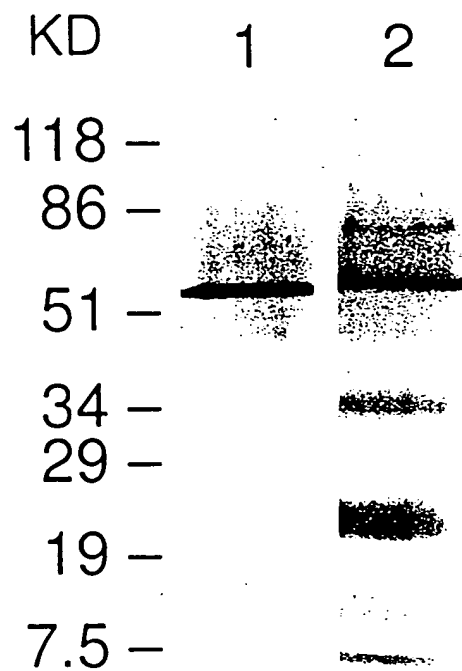


FIG. 4B

09881556-031401

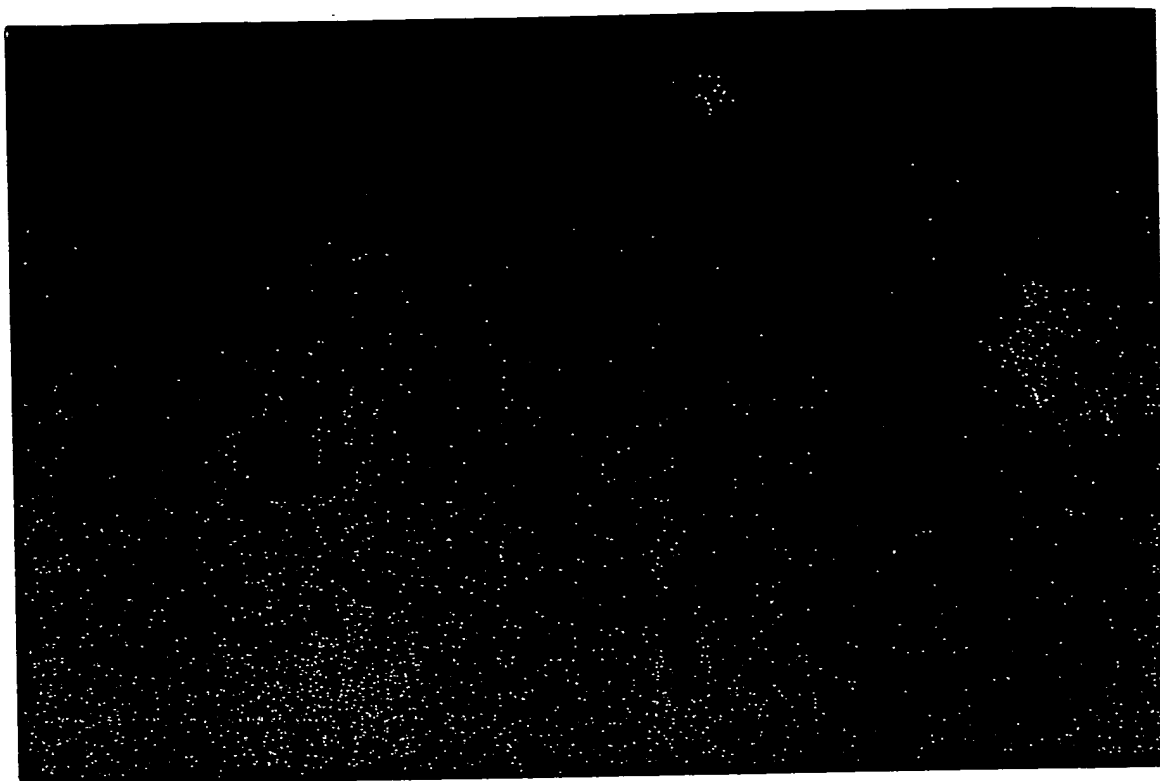


FIG. 5A

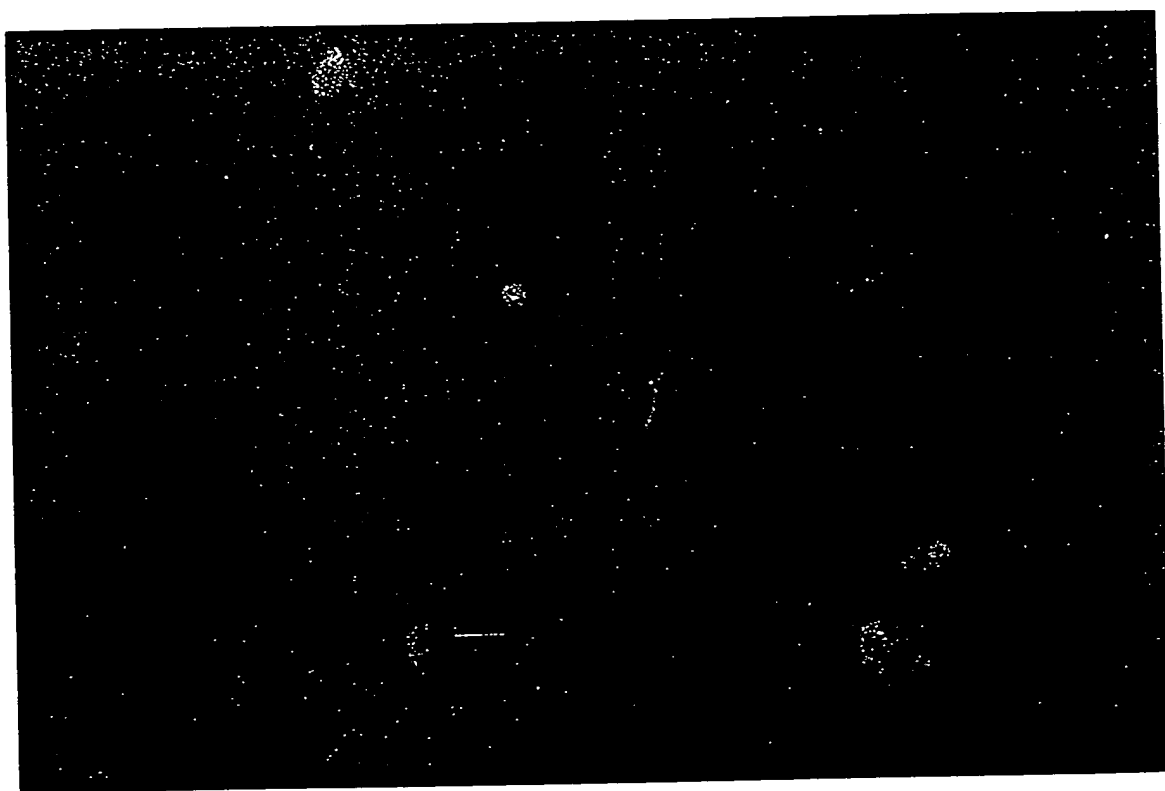


FIG. 5B

09881556-061401

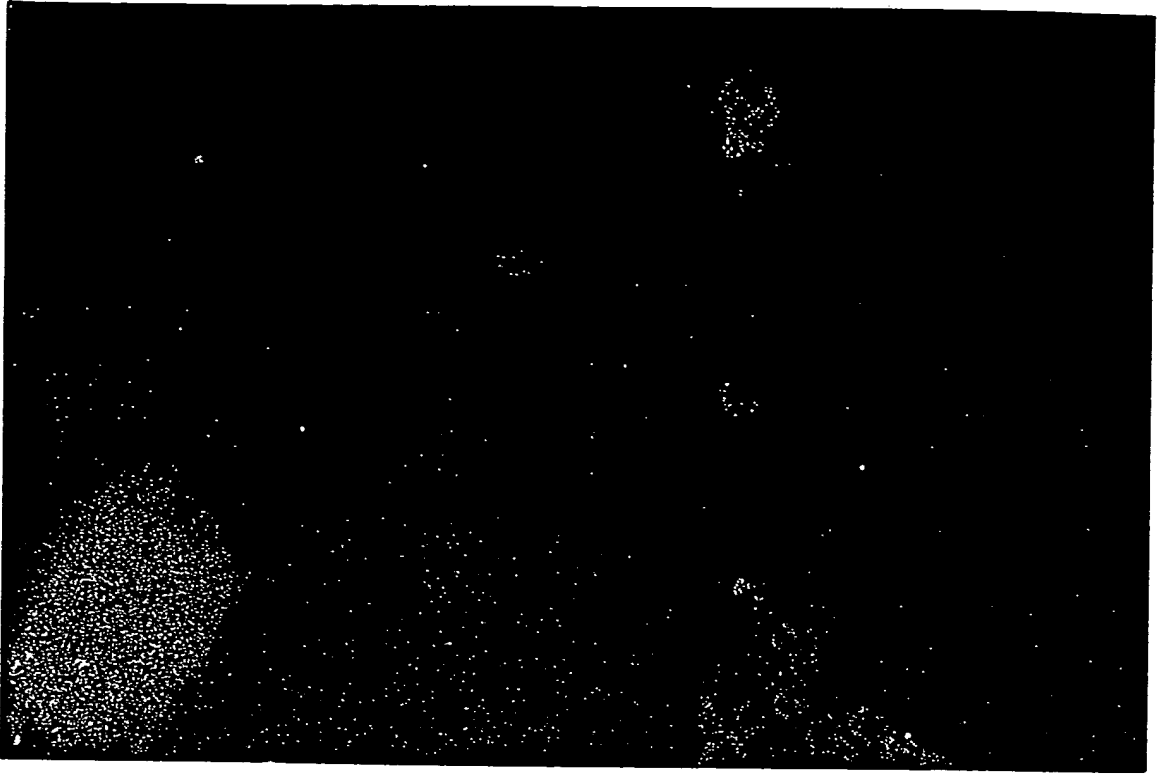


FIG 5C

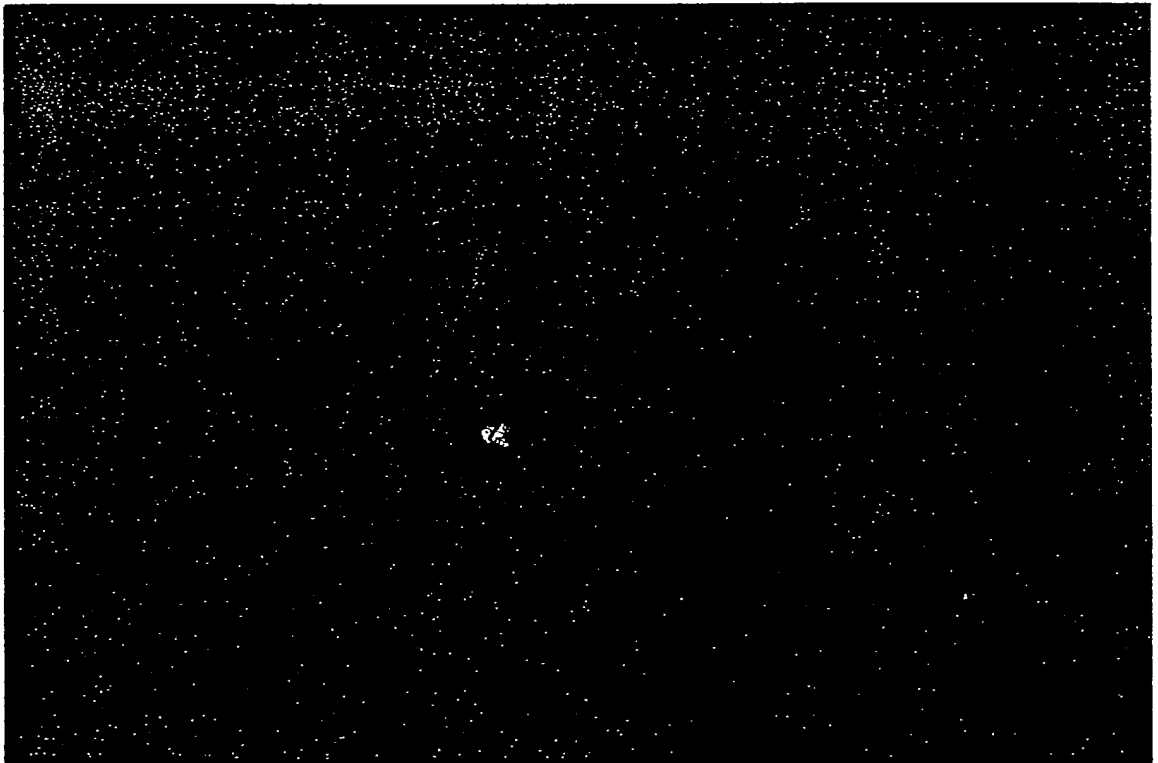


FIG 5D



FIG 5E

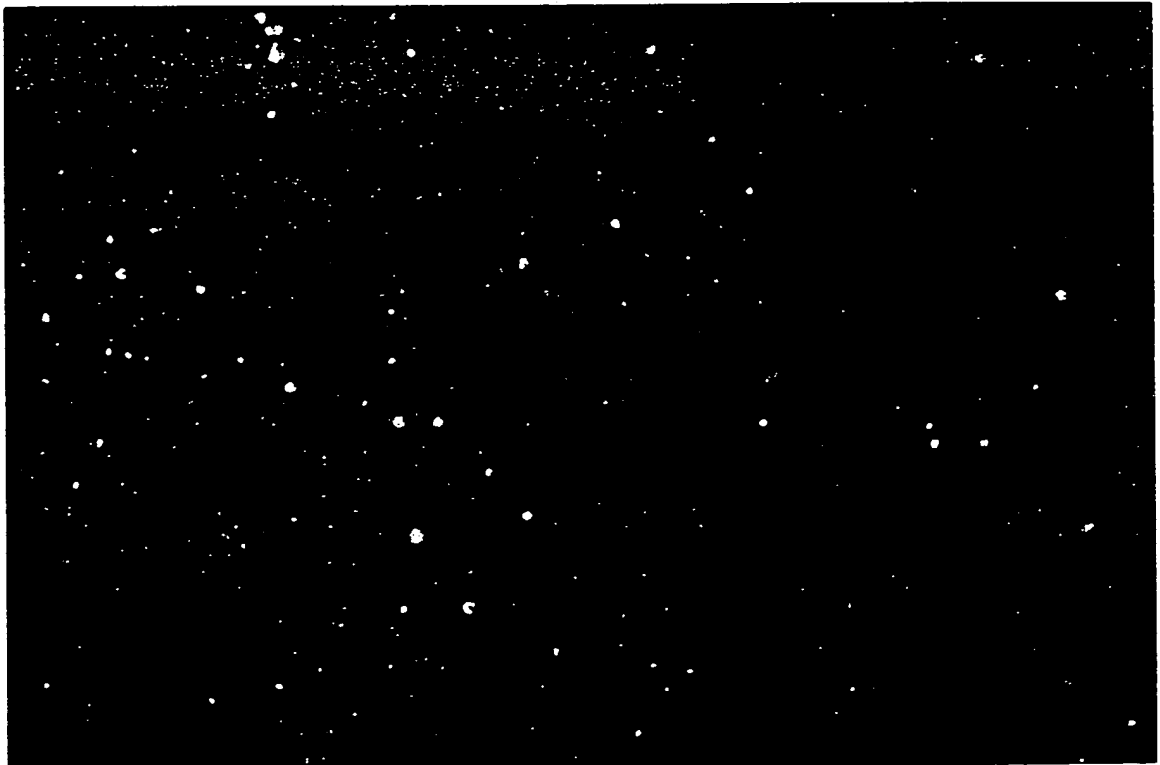


FIG 5F

09881556-061401

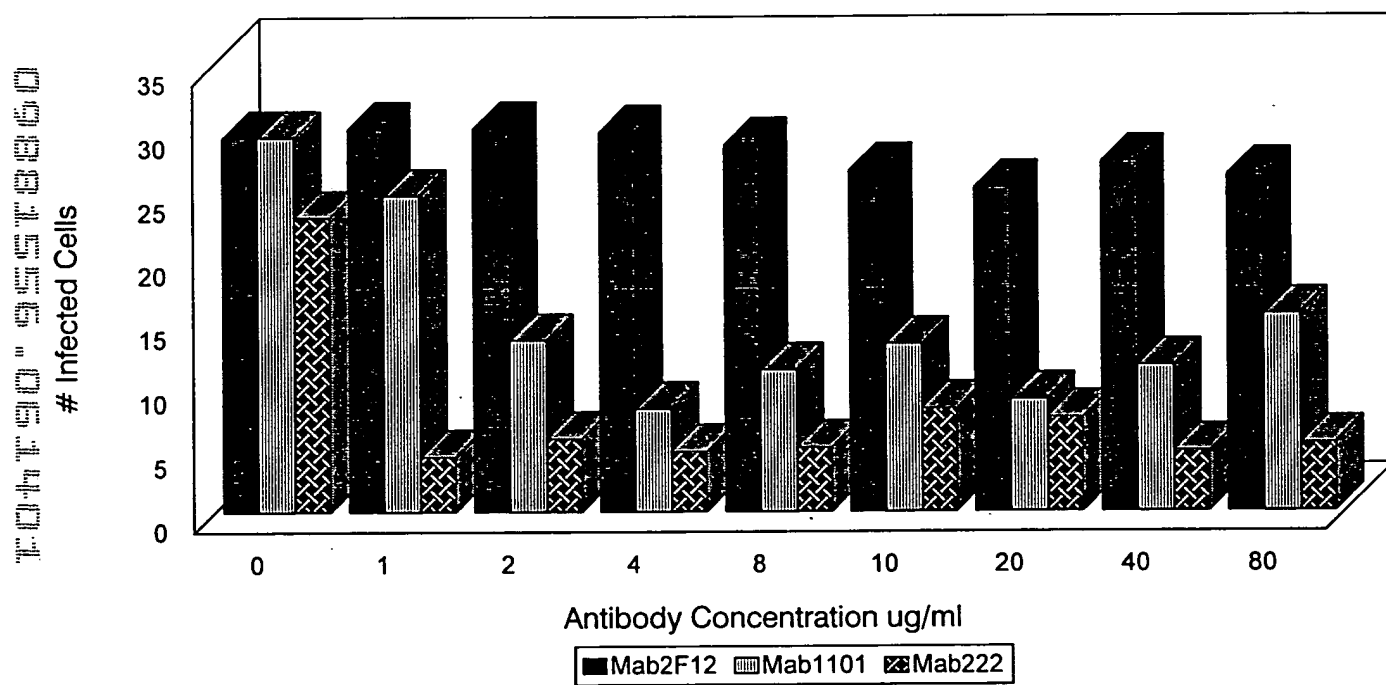


FIG. 6

